**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**
*We Protect Hoosiers and Our Environment.*
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

**Michael R. Pence**
*Governor*

**Thomas W. Easterly**
*Commissioner*

TO: Interested Parties / Applicant

DATE: December 2, 2013

RE: Metal Services, LLC – dba Phoenix Services, LLC / 127-33602-00026

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

# Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNTV-PMOD.doc 6/13/2013

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Clint McGinty, Manager-Safety, Health & Environment
Metal Services, LLC - dba Phoenix Services LLC
148 West State Street, Suite 301
Kennett Square, PA 19348

December 2, 2013

Re: 127-33602-00026
Significant Permit Modification to
Administrative Part 70 (Renewal) No.: T127-29719-00026

Dear Mr. McGinty:

Metal Services, LLC - dba Phoenix Services LLC was issued an Administrative Part 70 Operating Permit (Renewal) No. T127-29719-00026 on July 1, 2011 for a stationary for a stationary blast furnace and basic oxygen furnace slag finishing operation and separation plant located at 250 U.S. Highway 12, Burns Harbor, Indiana 46304. An application requesting changes to this permit was received on August 16, 2013. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

For your convenience, the entire Part 70 Operating Permit (Renewal) as modified is attached.

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, of my staff, at 317-233-0868 or 1-800-451-6027, and ask for extension 8-0868.

Sincerely,

Chrystal A. Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachment(s): Updated Permit, Technical Support Document and Appendix A

CW/MDM

cc: File - Porter County
Porter County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch
Billing, Licensing and Training Section
Northwest Regional Office

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*Commissioner*

# Part 70 Administrative Operating Permit Renewal
# OFFICE OF AIR QUALITY

## Metal Services, LLC dba Phoenix Services, LLC - a contractor of ArcelorMittal Burns Harbor, LLC
## U.S. Highway 12
## Burns Harbor, Indiana 46304

(herein known as the Permittee) is hereby authorized to construct subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this Permit.

**The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.**

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

| Operation Permit No.: 127-29719-00026 | |
|---|---|
| Issued by/Original signed by:<br>Donald F. Robin, P.E., Section Chief<br>Permits Branch<br>Office of Air Quality | Issuance Date: July 1, 2011<br><br>Expiration date: July 1, 2016 |

Administrative Amendment No.: 127-31251-00026, issued December 27, 2011

Administrative Amendment No.: 127-31628-00026, issued April 16, 2011

Significant Permit Modification No.: 127-32224-00026, issued December 28, 2012

Administrative Amendment No.: 127-33192-00026, issued June 21, 2013

| Significant Permit Modification No.: 127-33602-00026 | |
|---|---|
| Issued by:<br><br>Chrystal Wagner, Section Chief<br>Permits Branch<br>Office of Air Quality | Issuance Date: December 2, 2013<br><br>Expiration Date: July 1, 2016 |

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## SECTION A SOURCE SUMMARY

This approval is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the emission units contained in conditions A.1, A.3, and A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this approval pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a blast furnace and basic oxygen furnace slag finishing operation and separation plant.

| | |
|---|---|
| Source Address: | 250 U.S. Highway 12, Burns Harbor, Indiana 46304 |
| General Source Phone Number: | (219) 787-8666 |
| SIC Code: | 3295 |
| County Location: | Porter |
| Source Location Status: | Nonattainment for Ozone<br>Attainment for all other criteria pollutants |
| Source Status: | Part 70 Permit Program<br>Major Source under PSD and Emission Offset<br>Major Source, Section 112 of the Clean Air Act<br>1 of 28 Listed Source Categories |

### A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This integrated steel works operation consists of a primary source, ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), located at 250 West U.S. Highway 12, Burns Harbor, Indiana, with the following onsite contractors. The contractors listed below were issued separate Part 70 operating permits solely for administrative purposes:

(a) Indiana Flame (T127-00098);
(b) Metal Services LLC dba Phoenix Services LLC (T127-00026);
(c) Mid-Continent Coal and Coke (T127-00108);
(d) Oil Technology (T127-00074);
(e) SMS Mill Services, LLC (T127-00076);
(f) Beemsterboer Slag Corp (127-00116);
(g) Mid-Continent Coal and Coke (127-00117);
(h) PSC Metals Inc. (127-00118); and
(i) Calumite Company (127-00024).

Separate Part 70 Administrative permits were issued to ArcelorMittal Burns Harbor, LLC (Source ID 127-00001) and each of the onsite contractors, solely for administrative purposes. The companies may maintain separate reporting and compliance certification.

### A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

Metal Services LLC dba Phoenix Services LLC operates the following emission units and pollution control devices:

## Burns Harbor Site

(a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by pot carrier from the BOF, identified as EU001-01, with collective fugitive emissions EP001-9011.

(b) An open air Slag Pot Preparation operation constructed in 1969, identified as EU001-04, consisting of relining and conditioning of empty pots, with pot material additive, with collective fugitive emissions EP001-9001.

(c) Stock piles and product storage piles located at Port of Indiana storage yard, Portage.

(d) Main Plant, with a maximum material throughput capacity of 1,500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) One (1) step deck feeder (F1), with a capacity of 1500 tph

(B) Crushing

(1) One (1) pan feeder (F2), with a capacity of 500 tons per hour
(2) One (1) conveyor (C5), with a capacity of 500 tph
(3) One (1) mag/pendulum head pulley (C5)
(4) One (1) dual finger gate splitter at C5
(5) One (1) dual finger gate splitter at Crusher/Impactor
(6) One (1) pan feeder (F3), with a capacity of 510 tph
(7) One (1) pan feeder (F4), with a capacity of 500 tph
(8) One (1) jaw crusher, with a capacity of 500 tph
(9) One (1) impactor, with a capacity of 500 tph
(10) One (1) conveyor (C6A), with a capacity of 500 tph
(11) One (1) conveyor (C6B), with a capacity of 500 tph

(C) Screening

(1) One (1) conveyor (C1), with a capacity of 1500 tph
(2) One (1) 150-ton bin, with a capacity of 1500 tph
(3) One (1) feeder (MF400) (F5), with a capacity of 1500 tph
(4) One (1) conveyor (C2), with a capacity of 1500 tph
(5) One (1) mag head pulley (C2)
(6) One (1) dual finger gate splitter at C2
(7) One (1) dual finger gate splitter at F6/F7
(8) One (1) feeder (F6), with a capacity of 750 tph
(9) One (1) feeder (F7), with a capacity of 750 tph
(10) One (1) conveyor (C3A), with a capacity of 750 tph
(11) One (1) conveyor (C3B), with a capacity of 750 tph
(12) One (1) triple chute gate splitter at S1/S2/S3
(13) One (1) screen (S1), with a capacity of 750 tph
(14) One (1) dual finger gate splitter at S1
(15) One (1) conveyor (C7A), with a capacity of 500 tph
(16) One (1) screen (S2), with a capacity of 750 tph
(17) One (1) dual finger gate splitter at S2
(18) One (1) conveyor (C7B), with a capacity of 500 tph
(19) One (1) screen (S3), with a capacity of 750 tph
(20) One (1) dual finger gate splitter at S3
(21) One (1) conveyor (C7C), with a capacity of 500 tph
(22) One (1) conveyor (C11A), with a capacity of 1000 tph
(23) One (1) stack conveyor (C15), with a capacity of 1000 tph
(24) One (1) conveyor (C9), with a capacity of 700 tph
(25) One (1) stack conveyor (C14), with a capacity of 700 tph
(26) One (1) conveyor (C8), with a capacity of 400 tph
(27) One (1) stack conveyor (C13), with a capacity of 178.2 tph
(28) One (1) mag head pulley (C13), with a capacity of 400 tph
(29) One (1) dual finger gate splitter at C13

(D) Scrap Processing

(1) One (1) 50-ton scrap bin (F1), with a capacity of 700 tph
(2) One (1) feeder (F8), with a capacity of 700 tph
(3) One (1) conveyor (C4), with a capacity of 700 tph

(4) One (1) dual finger gate splitter at C4
(5) One (1) screen (S4), with a capacity of 350 tph
(6) One (1) dual finger gate splitter at S4
(7) One (1) conveyor (C10A), with a capacity of 200 tph
(8) One (1) screen (S5), with a capacity of 350 tph
(9) One (1) dual finger gate splitter at S5
(10) One (1) conveyor (C10B), with a capacity of 200 tph
(11) One (1) conveyor (C11B), with a capacity of 400 tph
(12) One (1) stack conveyor (C17), with a capacity of 400 tph
(13) One (1) conveyor (C12), with a capacity of 400 tph
(14) One (1) stack conveyor (C16), with a capacity of 400 tph
(15) One (1) conveyor (C18), with a capacity of 200 tph
(16) One (1) stack conveyor (C19), with a capacity of 200 tph

(e) Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 for construction (unless noted otherwise), using wet suppressant for fugitive emissions control, consisting of the following equipment:

(1) One (1) feed hopper (B1), with a capacity of 500 tph
(2) One (1) feeder (F9), with a capacity of 500 tph
(3) One (1) conveyor (C1), with a capacity of 500 tph
(4) One (1) conveyor (C2), with a capacity of 800 tph
(5) One (1) crusher, with a capacity of 500 tph
(6) One (1) conveyor (C5), with a capacity of 500 tph
(7) One (1) screen (S1), with a capacity of 400 tph
(8) One (1) conveyor (C3), with a capacity of 150 tph
(9) One (1) screen (S2), with a capacity of 400 tph
(10) One (1) conveyor (C4), with a capacity of 150 tph
(11) One (1) conveyor (C10), with a capacity of 300 tph
(12) One (1) stack conveyor (C11), with a capacity of 55 tph
(13) One (1) conveyor (C8), with a capacity of 250 tph
(14) One (1) mag cross belt (M2)
(15) One (1) stack conveyor (C9), with a capacity of 78.375 tph
(16) One (1) conveyor (C6), with a capacity of 250 tph
(17) One (1) mag cross belt (M1)
(18) One (1) stack conveyor (C7), with a capacity of 250 tph
(19) One (1) conveyor (C12), approved in 2013 for construction, with a capacity of 300 tph
(20) One (1) conveyor (C13), approved in 2013 for construction, with a capacity of 300 tph
(21) One (1) crusher (crusher 2), approved in 2013 for construction, with a capacity of 400 tph
(22) One (1) screen (S3), approved in 2013 for construction, with a maximum capacity of 75 tph.
(23) One (1) conveyor (C14), approved in 2013 for construction, with a maximum capacity of 50 tph.
(24) One (1) conveyor (C15), approved in 2013 for construction, with a maximum capacity of 50 tph.

(f) Portable/Auxiliary Equipment, with a maximum material throughput capacity of 600 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) Portable Plant 1

(1) One (1) conveyor, with a capacity of 600 tph
(2) One (1) portable crusher, with a capacity of 600 tph
(3) One (1) conveyor, with a capacity of 600 tph

(4) One (1) portable screen, with a capacity of 600 tph
(5) Three (3) portable input conveyors (33%), with a capacity of 600 tph
(6) Three (3) portable output stacker/conveyors (33% ea), with a capacity of 600 tph

(B) Portable boat loader

(1) One (1) feed hopper, with a capacity of 1500 tph
(2) One (1) conveyor/stacker, with a capacity of 1500 tph

(C) Portable stacker

(1) One (1) feed hopper, with a capacity of 250 tph
(2) One (1) conveyor/stacker, with a capacity of 250 tph

(D) Portable screener

(1) One (1) screen, with a capacity of 250 tph
(2) Three (3) conveyor/stackers (33% each), with a capacity of 250 tph

(E) Portable screener

(1) One (1) feed hopper, with a capacity of 250 tph
(2) One (1) screen, with a capacity of 250 tph
(3) One (1) conveyor/stacker, with a capacity of 250 tph

(F) Portable Plant 2

(1) One (1) grizzly, with a capacity of 500 tph
(2) One (1) feeder, with a capacity of 500 tph
(3) One (1) screen, with a capacity of 500 tph
(4) Four (4) output conveyors (25% ea), with a capacity of 500 tph
(5) One (1) crusher or impactor, with a capacity of 500 tph
(6) One (1) magnet

(g) Four (4) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 559 Hp or less.

(h) One (1) portable diesel generator/engine, approved in 2012 for installation, with a capacity between 600 Hp and 1500 Hp.

(i) Three (3) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 100 Hp or less.

## A.4 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

Metal Services, LLC dba Phoenix Services, LLC, also consists of the following insignificant activities that are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Degreasing operations that do not exceed 145 gallons per 12 month, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-8]

(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

(c) Activities with emissions equal to or less than insignificant thresholds [326 IAC 2-7-1(21)]:

(1) 10,000 gallon diesel AST identified as EE001-9011 [326 IAC 8-9];
(2) 2,500 gallon diesel AST identified as EE001-9012 [326 IAC 8-9];
(3) Iron breakup processing identified as EE001-9014.

## A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## SECTION B GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

### B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, 127-29719-00026, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

### B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

### B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

### B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

### B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(35).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality,

Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267**.**

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any

law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to 127-29719-00026 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted

by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee’s right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. In the event that the source is a sub-contractor and is combined with a larger Part 70 source, the larger Part 70 source may pay the Permittees' annual fees as part of the larger source billing and subject to the fee cap of the larger source. If, however, the larger Part 70 source does not pay its annual Part 70 permit fee, IDEM, OAQ will assess a separate fee in accordance with 326 IAC 2-7-19(c) to be paid by the Permittee. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the attached plan as in Attachment A. The provisions of 326 IAC 6-5 are not federally enforceable.

C.7 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all

facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

**Testing Requirements [326 IAC 2-7-6(1)]**

C.9 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

**Compliance Requirements [326 IAC 2-1.1-11]**

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

**Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]**

C.11 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

**Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]**

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than ninety (90) days after the date of issuance of this permit.

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:
- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:
- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

(c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

(e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

**Stratospheric Ozone Protection**

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

**SECTION D.1 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]: Burns Harbor Site

(a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by pot carrier from the BOF, identified as EU001-01, with collective fugitive emissions EP001-9011.

(b) An open air Slag Pot Preparation operation constructed in 1969, identified as EU001-04, consisting of relining and conditioning of empty pots, with pot material additive, with collective fugitive emissions EP001-9001.

(c) Stock piles and product storage piles located at Port of Indiana storage yard, Portage.

(d) Main Plant, with a maximum material throughput capacity of 1,500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) One (1) step deck feeder (F1), with a capacity of 1500 tph

(B) Crushing

(1) One (1) pan feeder (F2), with a capacity of 500 tons per hour
(2) One (1) conveyor (C5), with a capacity of 500 tph
(3) One (1) mag/pendulum head pulley (C5)
(4) One (1) dual finger gate splitter at C5
(5) One (1) dual finger gate splitter at Crusher/Impactor
(6) One (1) pan feeder (F3), with a capacity of 510 tph
(7) One (1) pan feeder (F4), with a capacity of 500 tph
(8) One (1) jaw crusher, with a capacity of 500 tph
(9) One (1) impactor, with a capacity of 500 tph
(10) One (1) conveyor (C6A), with a capacity of 500 tph
(11) One (1) conveyor (C6B), with a capacity of 500 tph

(C) Screening

(1) One (1) conveyor (C1), with a capacity of 1500 tph
(2) One (1) 150-ton bin, with a capacity of 1500 tph
(3) One (1) feeder (MF400) (F5), with a capacity of 1500 tph
(4) One (1) conveyor (C2), with a capacity of 1500 tph
(5) One (1) mag head pulley (C2)
(6) One (1) dual finger gate splitter at C2
(7) One (1) dual finger gate splitter at F6/F7
(8) One (1) feeder (F6), with a capacity of 750 tph
(9) One (1) feeder (F7), with a capacity of 750 tph
(10) One (1) conveyor (C3A), with a capacity of 750 tph
(11) One (1) conveyor (C3B), with a capacity of 750 tph
(12) One (1) triple chute gate splitter at S1/S2/S3
(13) One (1) screen (S1), with a capacity of 750 tph
(14) One (1) dual finger gate splitter at S1
(15) One (1) conveyor (C7A), with a capacity of 500 tph
(16) One (1) screen (S2), with a capacity of 750 tph
(17) One (1) dual finger gate splitter at S2
(18) One (1) conveyor (C7B), with a capacity of 500 tph
(19) One (1) screen (S3), with a capacity of 750 tph
(20) One (1) dual finger gate splitter at S3
(21) One (1) conveyor (C7C), with a capacity of 500 tph
(22) One (1) conveyor (C11A), with a capacity of 1000 tph
(23) One (1) stack conveyor (C15), with a capacity of 1000 tph

(24) One (1) conveyor (C9), with a capacity of 700 tph
(25) One (1) stack conveyor (C14), with a capacity of 700 tph
(26) One (1) conveyor (C8), with a capacity of 400 tph
(27) One (1) stack conveyor (C13), with a capacity of 178.2 tph
(28) One (1) mag head pulley (C13), with a capacity of 400 tph
(29) One (1) dual finger gate splitter at C13

(D) Scrap Processing

(1) One (1) 50-ton scrap bin (F1), with a capacity of 700 tph
(2) One (1) feeder (F8), with a capacity of 700 tph
(3) One (1) conveyor (C4), with a capacity of 700 tph
(4) One (1) dual finger gate splitter at C4
(5) One (1) screen (S4), with a capacity of 350 tph
(6) One (1) dual finger gate splitter at S4
(7) One (1) conveyor (C10A), with a capacity of 200 tph
(8) One (1) screen (S5), with a capacity of 350 tph
(9) One (1) dual finger gate splitter at S5
(10) One (1) conveyor (C10B), with a capacity of 200 tph
(11) One (1) conveyor (C11B), with a capacity of 400 tph
(12) One (1) stack conveyor (C17), with a capacity of 400 tph
(13) One (1) conveyor (C12), with a capacity of 400 tph
(14) One (1) stack conveyor (C16), with a capacity of 400 tph
(15) One (1) conveyor (C18), with a capacity of 200 tph
(16) One (1) stack conveyor (C19), with a capacity of 200 tph

(e) Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 for construction (unless noted otherwise), using wet suppressant for fugitive emissions control, consisting of the following equipment:

(1) One (1) feed hopper (B1), with a capacity of 500 tph
(2) One (1) feeder (F9), with a capacity of 500 tph
(3) One (1) conveyor (C1), with a capacity of 500 tph
(4) One (1) conveyor (C2), with a capacity of 800 tph
(5) One (1) crusher, with a capacity of 500 tph
(6) One (1) conveyor (C5), with a capacity of 500 tph
(7) One (1) screen (S1), with a capacity of 400 tph
(8) One (1) conveyor (C3), with a capacity of 150 tph
(9) One (1) screen (S2), with a capacity of 400 tph
(10) One (1) conveyor (C4), with a capacity of 150 tph
(11) One (1) conveyor (C10), with a capacity of 300 tph
(12) One (1) stack conveyor (C11), with a capacity of 55 tph
(13) One (1) conveyor (C8), with a capacity of 250 tph
(14) One (1) mag cross belt (M2)
(15) One (1) stack conveyor (C9), with a capacity of 78.375 tph
(16) One (1) conveyor (C6), with a capacity of 250 tph
(17) One (1) mag cross belt (M1)
(18) One (1) stack conveyor (C7), with a capacity of 250 tph
(19) One (1) conveyor (C12), approved in 2013 for construction, with a capacity of 300 tph
(20) One (1) conveyor (C13), approved in 2013 for construction, with a capacity of 300 tph
(21) One (1) crusher (crusher 2), approved in 2013 for construction, with a capacity of 400 tph
(22) One (1) screen (S3), approved in 2013 for construction, with a maximum capacity of 75 tph.

(23) One (1) conveyor (C14), approved in 2013 for construction, with a maximum capacity of 50 tph.
(24) One (1) conveyor (C15), approved in 2013 for construction, with a maximum capacity of 50 tph.

(f) Portable/Auxiliary Equipment, with a maximum material throughput capacity of 600 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) Portable Plant 1

(1) One (1) conveyor, with a capacity of 600 tph
(2) One (1) portable crusher, with a capacity of 600 tph
(3) One (1) conveyor, with a capacity of 600 tph
(4) One (1) portable screen, with a capacity of 600 tph
(5) Three (3) portable input conveyors (33%), with a capacity of 600 tph
(6) Three (3) portable output stacker/conveyors (33% ea), with a capacity of 600 tph

(B) Portable boat loader

(1) One (1) feed hopper, with a capacity of 1500 tph
(2) One (1) conveyor/stacker, with a capacity of 1500 tph

(C) Portable stacker

(1) One (1) feed hopper, with a capacity of 250 tph
(2) One (1) conveyor/stacker, with a capacity of 250 tph

(D) Portable screener

(1) One (1) screen, with a capacity of 250 tph
(2) Three (3) conveyor/stackers (33% each), with a capacity of 250 tph

(E) Portable screener

(1) One (1) feed hopper, with a capacity of 250 tph
(2) One (1) screen, with a capacity of 250 tph
(3) One (1) conveyor/stacker, with a capacity of 250 tph

(F) Portable Plant 2

(1) One (1) grizzly, with a capacity of 500 tph
(2) One (1) feeder, with a capacity of 500 tph
(3) One (1) screen, with a capacity of 500 tph
(4) Four (4) output conveyors (25% ea), with a capacity of 500 tph
(5) One (1) crusher or impactor, with a capacity of 500 tph
(6) One (1) magnet

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.1.1 PSD Minor Limit [326 IAC 2-2]

(a) Only slag and metallic material shall be processed at Main Plant.

(b) The total input of slag and metallic material at Main Plant shall not exceed 2,377,419 tons per twelve consecutive month period with compliance determined at the end of each month.

(c) The total input of material at the Chip Plant shall not exceed 1,300,000 tons per twelve consecutive month period with compliance determined at the end of each month.

(d) The Chip Plant shall process only those materials that have been previously processed at the Main Plant.

(e) The Portable/Auxiliary Equipment shall not be operated at Metal Services LLC dba Phoenix Services LLC site.

(f) The total input of material at the Portable/Auxiliary Equipment shall not exceed 800,000 tons per twelve consecutive month period with compliance determined at the end of each month.

(g) The moisture content of slag material processed at the Main Plant, Chip Plant and Portable/Auxiliary Equipment plants shall not be less than 1.5%.

Compliance with the above limits, in conjunction with Condition D.2.1, shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-32132-00026 to less than 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

Compliance with the above limits shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-33544-00026 to less than 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-33544-00026.

D.1.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 the particulate emissions from the following listed units shall be limited as follows when operating at the listed process weight rate:

| Emission Unit | Process weight rate (tons/hr) | 326 IAC 6-3 limit lb/hr |
|---|---|---|
| **Main Plant** | | |
| One (1) step deck feeder (F1) | 1500 | 82.95 |
| **Crushing** | | |
| One (1) pan feeder (F2) | 500 | 68.96 |
| One (1) conveyor (C5) | 500 | 68.96 |
| One (1) mag/pendulum head pulley (C5) | 184 | 57.61 |
| One (1) dual finger gate splitter at C5 | 217 | 59.40 |
| One (1) splitter (scrap) (C5) | 184 | 57.61 |
| One (1) dual finger gate splitter at C5 | 217 | 59.40 |
| One (1) dual finger gate splitter at Crusher/Impactor | 184 | 57.61 |
| One (1) pan feeder (F3) | 510 | 69.19 |
| One (1) pan feeder (F4) | 500 | 68.96 |
| One (1) jaw crusher | 500 | 68.96 |
| One (1) impactor, | 500 | 68.96 |
| One (1) conveyor (C6A) | 500 | 68.96 |
| One (1) conveyor (C6B) | 500 | 68.96 |

| Emission Unit | Process weight rate (tons/hr) | 326 IAC 6-3 limit lb/hr |
|---|---|---|
| **Screening** | | |
| One (1) conveyor (C1) | 1500 | 82.95 |
| One (1) 150-ton bin, | 1500 | 82.95 |
| One (1) feeder (MF400) (F5) | 1500 | 82.95 |
| One (1) conveyor (C2) | 1500 | 82.95 |
| One (1) mag head pulley (C2) | 300 | 63.00 |
| One (1) dual finger gate splitter at C2 | 271 | 61.86 |
| One (1) dual finger gate splitter at F6/F7 | 217 | 59.40 |
| One (1) feeder (F6) | 750 | 73.93 |
| One (1) feeder (F7) | 750 | 73.93 |
| One (1) conveyor (C3A) | 750 | 73.93 |
| One (1) conveyor (C3B) | 750 | 73.93 |
| One (1) triple chute gate splitter at S1/S2/S3 | 72 | 48.04 |
| One (1) screen (S1) | 750 | 73.93 |
| One (1) dual finger gate splitter at S1 | 750 | 73.93 |
| One (1) conveyor (C7A) | 500 | 68.96 |
| One (1) screen (S2) | 750 | 73.93 |
| One (1) dual finger gate splitter at S2 | 750 | 73.93 |
| One (1) conveyor (C7B) | 396 | 66.20 |
| One (1) screen (S3) | 750 | 73.93 |
| One (1) dual finger gate splitter at S3 | 750 | 73.93 |
| One (1) conveyor (C7C) | 500 | 68.96 |
| One (1) conveyor (C11A) | 1000 | 77.59 |
| One (1) stack conveyor (C15) | 1000 | 77.59 |
| One (1) conveyor (C9) | 700 | 73.06 |
| One (1) stack conveyor (C14) | 700 | 73.06 |
| One (1) conveyor (C8) | 400 | 66.31 |
| One (1) stack conveyor (C13) | 178.20 | 57.27 |
| One (1) mag head pulley (C13) | 400 | 66.31 |
| One (1) dual finger gate splitter at C13 | 178.2 | 57.27 |
| **Scrap** | | |
| One (1) 50-ton scrap bin (F1) | 700 | 73.06 |
| One (1) feeder (F8) 700 | 700 | 73.06 |
| One (1) conveyor (C4) 700 | 700 | 73.06 |
| One (1) dual finger gate splitter at C4 | 56 | 45.64 |
| One (1) screen (S4) | 350 | 64.76 |
| One (1) dual finger gate splitter at S4 | 350 | 64.76 |
| One (1) conveyor (C10A) | 200 | 58.51 |
| One (1) screen (S5) 350 | 350 | 64.76 |
| One (1) dual finger gate splitter at S5 | 350 | 67.76 |
| One (1) conveyor (C10B) | 200 | 58.51 |
| One (1) conveyor (C11B) | 400 | 66.31 |
| One (1) stack conveyor (C17) | 400 | 66.31 |
| One (1) conveyor (C12) | 400 | 66.31 |
| One (1) stack conveyor (C16) | 400 | 66.31 |
| One (1) conveyor (C18) | 200 | 58.51 |
| One (1) stack conveyor (C19) | 200 | 58.51 |
| **Chip Plant** | | |

| Emission Unit | Process weight rate (tons/hr) | 326 IAC 6-3 limit lb/hr |
|---|---|---|
| One (1) feed hopper (B1) | 500 | 68.96 |
| One (1) feeder (F9) | 500 | 68.96 |
| One (1) conveyor (C1) | 500 | 68.96 |
| One (1) conveyor (C2) | 800 | 74.74 |
| One (1) crusher, 500 | 500 | 68.96 |
| One (1) conveyor (C5) | 500 | 68.96 |
| One (1) screen (S1) | 400 | 66.31 |
| One (1) conveyor (C3) | 150 | 55.44 |
| One (1) screen (S2) | 400 | 66.31 |
| One (1) conveyor (C4) | 150 | 55.44 |
| One (1) conveyor (C10) | 300 | 63.00 |
| One (1) stack conveyor (C11) | 55 | 45.47 |
| One (1) conveyor (C8) | 250 | 60.96 |
| One (1) mag cross belt (M2) | 4.125 | 10.60 |
| One (1) stack conveyor (C9) | 78.375 | 48.86 |
| One (1) conveyor (C6) 20 | 250 | 60.96 |
| One (1) mag cross belt (M1) | 18 | 28.43 |
| One (1) stack conveyor (C7) | 250 | 60.96 |
| One (1) conveyor (C12) | 300 | 63.0 |
| One (1) conveyor (C13) | 300 | 63.0 |
| One (1) crusher (crusher 2) | 400 | 66.3 |
| One (1) screen (S3) | 75 | 48.4 |
| One (1) conveyor (C14) | 50 | 44.6 |
| One (1) conveyor (C15) | 50 | 44.6 |
| **Portable/Auxiliary Equipment** | | |
| **Portable Plant 1** | | |
| One (1) conveyor | 600 | 71.16 |
| One (1) portable crusher | 600 | 71.16 |
| One (1) conveyor | 600 | 71.16 |
| One (1) portable screen | 600 | 71.16 |
| Three (3) portable input conveyors (33%) | 600 | 71.16 |
| Three (3) portable output stacker/conveyors (33% ea) | 600 | 71.16 |
| **Portable boat loader** | | |
| One (1) feed hopper | 1500 | 82.95 |
| One (1) conveyor/stacker | 1500 | 82.95 |
| Portable stacker | | |
| One (1) feed hopper | 250 | 60.96 |
| One (1) conveyor/stacker | 250 | 60.96 |
| **Portable screener** | | |
| One (1) screen | 250 | 60.96 |
| Three (3) conveyor/stackers (33% each) | 250 | 60.96 |
| Portable screener | | |
| One (1) feed hopper | 250 | 60.96 |
| One (1) screen | 250 | 60.96 |
| One (1) conveyor/stacker | 250 | 60.96 |
| **Portable Plant 2** | | |
| One (1) grizzly | 500 | 68.96 |

| Emission Unit | Process weight rate (tons/hr) | 326 IAC 6-3 limit lb/hr |
|---|---|---|
| One (1) feeder | 500 | 68.96 |
| One (1) screen | 500 | 68.96 |
| Four (4) output conveyors (25% ea) | 500 | 68.96 |
| One (1) crusher or impactor | 500 | 68.96 |
| One (1) magnet | 15 | 25.16 |

The pound per hour limitations above were calculated using the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour.

D.1.3 Preventative Maintenance Plan [326 IAC 2-7-5(13)]

The Preventative Maintenance Plan is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

**Compliance Determination Requirements**

D.1.4 Particulate Matter [326 IAC 2-7-6(6)]

In order to comply with Condition D.1.1(g):

(a) The Permittee shall use wet suppression to control particulate emissions from Main Plant, Chip Plant and Portable/Auxiliary Equipment, except for the following time periods:

(i) During precipitation

(ii) When ambient air temperature is at or below freezing temperature

(b) The Permittee shall perform weekly moisture content analysis prior to feeding material to the Chip Plant, on the slag material processed at the Main Plant, Chip Plant and Portable/Auxiliary Equipment to ensure slag moisture content is not less than 1.5%.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

D.1.5 Visible Emissions Notations

(a) Visible emission notations of all process emission points shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

**Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.1.6 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.1(b), (c) and (f), the Permittee shall maintain monthly records of the input of material at Main Plant, Chip Plant and Portable/Auxiliary Equipment.

(b) To document the compliance status with condition D.1.4(b), the Permittee shall maintain weekly records of the moisture content analysis.

(c) To document the compliance status with condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the process emission points. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

(d) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.7 Reporting Requirements

A quarterly report of the input of the material at Main Plant, Chip Plant, and Portable/Auxiliary Equipment to document the compliance status with D.1.1(b), (c) and (f) shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee’s obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official,” as defined by 326 IAC 2-7-1 (35).

**SECTION 2.1 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]: Burns Harbor Site

(g) Four (4) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 559 Hp or less.

(h) One (1) portable diesel generator/engine, approved in 2012 for installation, with a capacity between 600 Hp and 1500 Hp.

(i) Three (3) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 100 Hp or less.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.2.1 PSD and Emission Offset Minor Limit [326 IAC 2-2] [326 IAC 2-3]

The total diesel fuel usage at the generator/engines shall not exceed 60,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with the above limit, in conjunction with the Condition D.1.1, shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-32132-00026 to less 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

Compliance with this limit will limit the SO2, NOx and CO emissions from the modification approved under SSM No. 127-32132-00026 to less than 40, 40 and 100 tons per twelve (12) consecutive month period, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

Compliance with this limit will limit the NOx emissions from the modification approved under SSM No. 127-32132-00026 to less than 40 tons per twelve (12) consecutive month period, and render the requirements of 326 IAC 2-3 for ozone not applicable to the SSM No. 127-32132-00026.

D.2.2 Nonroad Engines [326 IAC 20-82] [40 CFR 63, Subpart ZZZZ] [40 CFR 60, Subpart IIII]

The diesel generators/engines shall remain at a location (defined under 40 CFR 1068.30(2)(iii), Nonroad Engine definition) for a period not to exceed twelve (12) consecutive months.

Compliance with this requirement will render the diesel generators/engines as Nonroad Engine under this 40 CFR 63, Subpart ZZZZ and 40 CFR 60, Subpart IIII. Therefore, the requirements of 40 CFR 63, Subpart ZZZZ and 40 CFR 60, Subpart IIII do not apply to these diesel generators/engines.

D.2.3 Preventative Maintenance Plan [326 IAC 2-7-5(13)]

The Preventative Maintenance Plan is required for these diesel generators/engines. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

**Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.2.4 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.1, the Permittee shall maintain monthly records of the total diesel fuel usage diesel generator/engines.

(b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

### D.2.5 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.2.1 shall be submitted no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

**SECTION D.3 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]: **Insignificant Activities**

(a) Degreasing operations that do not exceed 145 gallons per 12 month, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-8]

(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

(c) Activities with emissions equal to or less than insignificant thresholds [326 IAC 2-7-1(21)]:

(1) 10,000 gallon diesel AST identified as EE001-9011 [326 IAC 8-9];
(2) 2,500 gallon diesel AST identified as EE001-9012 [326 IAC 8-9]; and
(3) Iron breakup processing identified as EE001-9014.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.3.1 Insignificant Activities [326 IAC 2-7-1(21)]

The emissions from activities EE001-9011, EE001-9012, and EE001-9014 shall remain below the thresholds listed below to be considered as insignificant:

Lead (Pb)= 0.6 ton/year or 3.29 lbs/day Carbon Monoxide (CO)= 25lbs/day
Sulfur Dioxide (SO2)= 5 lbs/hr or 25 lbs/day Particulate Matter (PM)= 5 lbs/hr or 25 lbs/day
Nitrogen Oxides (NOx)= 5 lbs/hr or 25 lbs/day Volatile Organic Compounds (VOC)= 3 lbs/hr or 15 lbs/day

D.3.2 Volatile Organic Liquid Storage Vessels [326 IAC 8-9]

Pursuant to 326 IAC 8-9-1(b), stationary vessels with a capacity of less than thirty-nine thousand (39,000) gallons (EE001-9011 and 9012) are subject to the reporting and record keeping provisions of section 6(a) and 6(b) of this rule and are exempt from all other provisions of this rule.

D.3.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements):

(a) The Permittee shall ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.

(2) Equip the degreaser with a device for draining cleaned parts.

(3) Close the degreaser cover whenever parts are not being handled in the degreaser.

(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases.

(5) Provide a permanent, conspicuous label that lists the operating requirements in (a)(3), (a)(4), (a)(6), and (a)(7) of this condition.

(6) Store waste solvent only in closed containers.

(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) The Permittee shall ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent used is insoluble in, and heavier than, water.

(C) A refrigerated chiller.

(D) Carbon adsorption.

(E) An alternative system of demonstrated equivalent or better control as those outlined in (b)(1)(A) through (D) of this condition that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:

(A) must be a solid, fluid stream; and

(B) shall be applied at a pressure that does not cause excessive splashing.

D.3.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material requirements for cold cleaner degreasers):

(a) Material requirements specified in this section for use in cold cleaner degreasers apply as follows:

(1) Before January 1, 2015, in Clark, Floyd, Lake, and Porter Counties.

(2) On and after January 1, 2015, anywhere in the state.

(b) Material requirements are as follows:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

(c) Pursuant to 326 IAC 8-3-8(c)(1), the following records shall be maintained for each sale of cold cleaner degreaser solvent:

(1) The name and address of the solvent supplier.

(2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).

(3) The type of solvent purchased.

(4) The volume of each unit of solvent sold.

(5) The total volume of the solvent purchased.

(6) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(d) Pursuant to 326 IAC 8-3-8(c)(2), the following records shall be maintained for each purchase of cold cleaner degreaser solvent:

(1) The name and address of the solvent supplier.

(2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).

(3) The type of solvent purchased.

(4) The total volume of the solvent purchased.

(5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.3.5 Record Keeping Requirements

(a) To document the compliance status with Condition D.3.2, and pursuant to 326 IAC 8-9, the Permittee must keep records of the following:

(1) The vessel identification number;

(2) The vessel dimensions; and

(3) The vessel capacity.

Records shall be maintained for the life of the vessel.

(b) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY

# PART 70 OPERATING PERMIT
# CERTIFICATION

Source Name: Metal Services LLC dba Phoenix Services LLC
Source Address: 250 U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-29719-00026

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this approval.**

Please check what document is being certified:

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY
# COMPLIANCE AND ENFORCEMENT BRANCH

## Part 70 Quarterly Report

Source Name: Metal Services LLC dba Phoenix Services LLC
Source Address: 250 U.S. Highway 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facilities: Main Plant
Parameter: Total input of slag and metallic material at the Main Plant
Limit: 2,377,419 tons per twelve (12) consecutive month period with compliance determined at the end of each month

QUARTER:_____ YEAR:_____

| Month | Column 1<br>slag and metallic material input this Month | Column 2<br>slag and metallic material input 11 Months | Column 1+2<br>slag and metallic material input 12 Months Total |
|---|---|---|---|
| Month 1 | | | |
| Month 2 | | | |
| Month 3 | | | |

☐ No deviation occurred in this quarter.
☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature:_____

Date: _____

Phone: _____

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY
# COMPLIANCE AND ENFORCEMENT BRANCH

## Part 70 Quarterly Report

Source Name: Metal Services LLC dba Phoenix Services LLC
Source Address: 250 U.S. Highway 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: Portable/Auxiliary Equipment
Parameter: The total input of material at the Portable/Auxiliary Equipment
Limit: 800,000 tons per twelve consecutive month period with compliance at the end of each month.

QUARTER:_____ YEAR:_____

| Month | Column 1<br>material input this month | Column 2<br>material input previous 11 months | Column 1+2<br>material input 12 months total |
|---|---|---|---|
| Month 1 | | | |
| Month 2 | | | |
| Month 3 | | | |

☐ No deviation occurred in this quarter.
☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature:_____

Date: _____

Phone: _____

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY
# COMPLIANCE AND ENFORCEMENT BRANCH

## Part 70 Quarterly Report

Source Name: Metal Services LLC dba Phoenix Services LLC
Source Address: 250 U.S. Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: Chip Plant
Parameter: Total input of slag and metallic material at the Chip Plant
Limit: 1,300,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER:_____ YEAR:_____

| Month | Column 1 | Column 2 | Column 1 + Column 2 |
|---|---|---|---|
| | Column 1 slag and metallic material input this month | Column 2 slag and metallic material input previous11 months | Column 1+2 slag and metallic material input 12 months total |
| Month 1 | | | |
| Month 2 | | | |
| Month 3 | | | |

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by:

Title / Position:

Signature:

Date:

Phone:

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY
# COMPLIANCE AND ENFORCEMENT BRANCH

## Part 70 Quarterly Report

Source Name: Metal Services LLC dba Phoenix Services LLC
Source Address: 250 U.S. Highway 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: diesel generators/engines listed in Section D.2 of this permit
Parameter: total diesel fuel usage
Limit: 60,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month

QUARTER:_____ YEAR:_____

| Month | Column 1 | Column 2 | Column 1 + Column 2 |
|---|---|---|---|
| | total diesel fuel usage This Month | total diesel fuel usage Previous 11 Months | total diesel fuel usage 12 Month Total |
| Month 1 | | | |
| Month 2 | | | |
| Month 3 | | | |

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by:
Title / Position:
Signature:
Date:
Phone:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**
**OFFICE OF AIR QUALITY**
**COMPLIANCE AND ENFORCEMENT BRANCH**
**100 North Senate Avenue**
**MC 61-53 IGCN 1003**
**Indianapolis, Indiana 46204-2251**
**Phone: 317-233-0178**
**Fax: 317-233-6865**

## PART 70 OPERATING PERMIT
## EMERGENCY OCCURRENCE REPORT

Source Name: Metal Services LLC dba Phoenix Services LLC
Source Address: 250 U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-29719-00026

**This form consists of 2 pages** **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)
- ☐ The Permittee must notify the Office of Air Quality (OAQ), no later than four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- ☐ The Permittee must submit notice in writing or by facsimile no later than two (**2**) days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

| |
|---|
| Facility/Equipment/Operation: |
| Control Equipment: |
| Permit Condition or Operation Limitation in Permit: |
| Description of the Emergency: |
| Describe the cause of the Emergency: |

If any of the following are not applicable, mark N/A



| |
|---|
| Date/Time Emergency started: |
| Date/Time Emergency was corrected: |
| Was the facility being properly operated at the time of the emergency? Y N<br>Describe:<br><br>Type of Pollutants Emitted: TSP, PM-10, $SO_2$, VOC, $NO_X$, CO, Pb, other: |
| Estimated amount of pollutant(s) emitted during emergency: |
| Describe the steps taken to mitigate the problem: |
| Describe the corrective actions/response steps taken: |
| Describe the measures taken to minimize emissions: |
| If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value: |

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY
# COMPLIANCE AND ENFORCEMENT BRANCH

## PART 70 OPERATING PERMIT
## QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Metal Services LLC dba Phoenix Services LLC
Source Address: 250 U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-29719-00026

**Months:** _____ **to** _____ **Year:** _____



| |
|---|
| This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period". |
| ☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD. |
| ☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD |

| | |
|---|---|
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |

| | |
|---|---|
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |

| | |
|---|---|
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Phoenix Services LLC

World Class Service. World Class Experience.

# Metal Services LLC, dba, Phoenix Services LLC Burns Harbor Facility

# Fugitive Dust Control Plan (FDCP)

***326 IAC 6-5-5***

**October 4, 2013**
**Revision 5**

**Prepared by:**
ST Environmental LLC
PO Box 2557
Chesterton, IN 46304
(219) 728-6312

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## Introduction and Facility Description [326 IAC 6-5-5 (a)(1)&(2)]

This Fugitive Dust Control Plan is written in accordance with 326 IAC 6-5-5. This source is located in Porter County, Indiana. Metal Services LLC, dba, Phoenix Services LLC (Phoenix) owns and operates material processing operations located within the ArcelorMittal Burns Harbor Works facility in Burns Harbor, Indiana. ArcelorMittal Burns Harbor Works is a fully integrated steelmaking and finishing facility. Phoenix also has a storage pile location that is part of the Burns Harbor source but is physically separated from the Burns Harbor operation by approximately 2.7 miles. This pile storage location is in the Port of Indiana. ArcelorMittal Burns Harbor Works and Phoenix are considered to be one source due to contractual control; therefore, Phoenix operates under an Administrative Part 70 Operating Permit.

## Roadways and Parking Lots [326 IAC 6-5-5 (a)(3)&(5)]

All roadways at the Burns Harbor site which are under control of the Phoenix facility are up to 30 feet wide with varying lengths. Phoenix only has control for the roadways within the boundaries of their immediate stationary operations. ArcelorMittal is responsible for all other roadways in the steel mill. Figure 1 in Appendix A shows the general property layout and approximate designation of the main roadways. Road paths within the processing area change frequently because of the nature of the operation with pile stacking. Trucks and front-end loaders are utilized for transportation of materials throughout the facility. Employee passenger vehicles and passenger trucks are parked in makeshift unpaved parking areas. AP-42 13.2.2 provides the method of the potential $PM_{10}$ emission calculations and can be found in the permit renewal technical support document. There are no designated roadways within the Port of Indiana pile storage location which runs adjacent to a paved public roadway.

## Storage Piles [326 IAC 6-5-5 (a)(3)&(7)]

The bulk of the feed material is generated at the blast furnaces or the BOF shop which are owned and operated by ArcelorMittal. Feed materials are brought to the Phoenix site as needed and are stored in various locations onsite and will move within a general area throughout the year. Product materials

are stored in various locations on the facility site and product pile locations will move within a general area throughout the year at Burns Harbor. Phoenix also loads trucks directly from stackers and transports them to their offsite storage pile facility located in the Port of Indiana. Front-end loaders and stacking conveyors are used to load onto and load out of the storage piles. The average moisture content of all materials stored on site must be maintained at 1.5% moisture or higher and can be further impacted by atmospheric precipitation throughout the year. The average slag moisture target range at this facility is greater than 2%. Phoenix tracks average moisture values at a minimum of 1.5% to maintain continuous compliance.

**Material Process Flow [326 IAC 6-5-5 (a)(3)&(6)]**

Materials are moved through a series of crushers and screens via conveyor system in various configurations depending upon the type of product desired. Materials are size-reduced into final products for sale to outside customers. Water application is utilized in the plant which provides up to 90% control efficiency. Water application is used to cool slag before entering the processing plant which provides primary moisture content. Additional water sprays may be used in the process facility as needed. The average slag moisture target range at this facility is greater than 2%. Phoenix tracks average moisture values at a minimum of 1.5% to maintain continuous compliance.

**Control Measures and Practices [326 IAC 6-5-5 (a)(8), (9) & (10)]**

Moisture content and water application to raw materials is the primary control measure for processing materials through plant equipment at this facility. Various water spray nozzle applications may be suspended based on weather events as follows:

- during periods of precipitation
- when temperatures are at or below freezing
- when ice or snow cover is present.

If chemical application is utilized at some future date, the same weather restrictions may apply. The phrase “weather permitting” used in the following paragraphs herein designates the suspension of control application during the weather events listed above. Additionally, daily visible emission

notations will be conducted to monitor fugitive emissions. The average slag moisture target range at this facility is greater than 2%. Phoenix tracks average moisture values at a minimum of 1.5% to maintain continuous compliance.

I. Site Roadways / Plant Yard

Dust on unpaved roads will be controlled by applications of water (an acceptable chemical compound may be used in the future) during operating hours, weather permitting. There are no paved roadways in the immediate stationary operating facility. Applications of dust control material will be done as often as necessary to meet applicable limits.

II. Process Operations

The average slag moisture target range at this facility is greater than 2%. Phoenix tracks average moisture values at a minimum of 1.5% to maintain continuous compliance. To help minimize dust emissions, the drop distance at each conveyor transfer point in the plant will be set at the minimum distance in which the equipment can operate effectively. Water spray application can be utilized, if needed and weather permitting, at strategic locations throughout the plant to control dust emissions. During water spray application, caution must be taken to avoid saturating the material which results in blinding the process equipment.

III. Storage Piles

The average slag moisture target range at this facility is greater than 2%. Phoenix tracks average moisture values at a minimum of 1.5% to maintain continuous compliance. To reduce potential dust emissions, stockpiling will be performed at minimum drop distances, to the extent practicable. Product storage piles are watered on an as needed basis during operating hours, weather permitting.

IV. Loading and Transfer; Trucks and Front-End Loaders

The average slag moisture target range at this facility is greater than 2%. Phoenix tracks average moisture values at a minimum of 1.5% to maintain continuous compliance. Trucks will be loaded in a

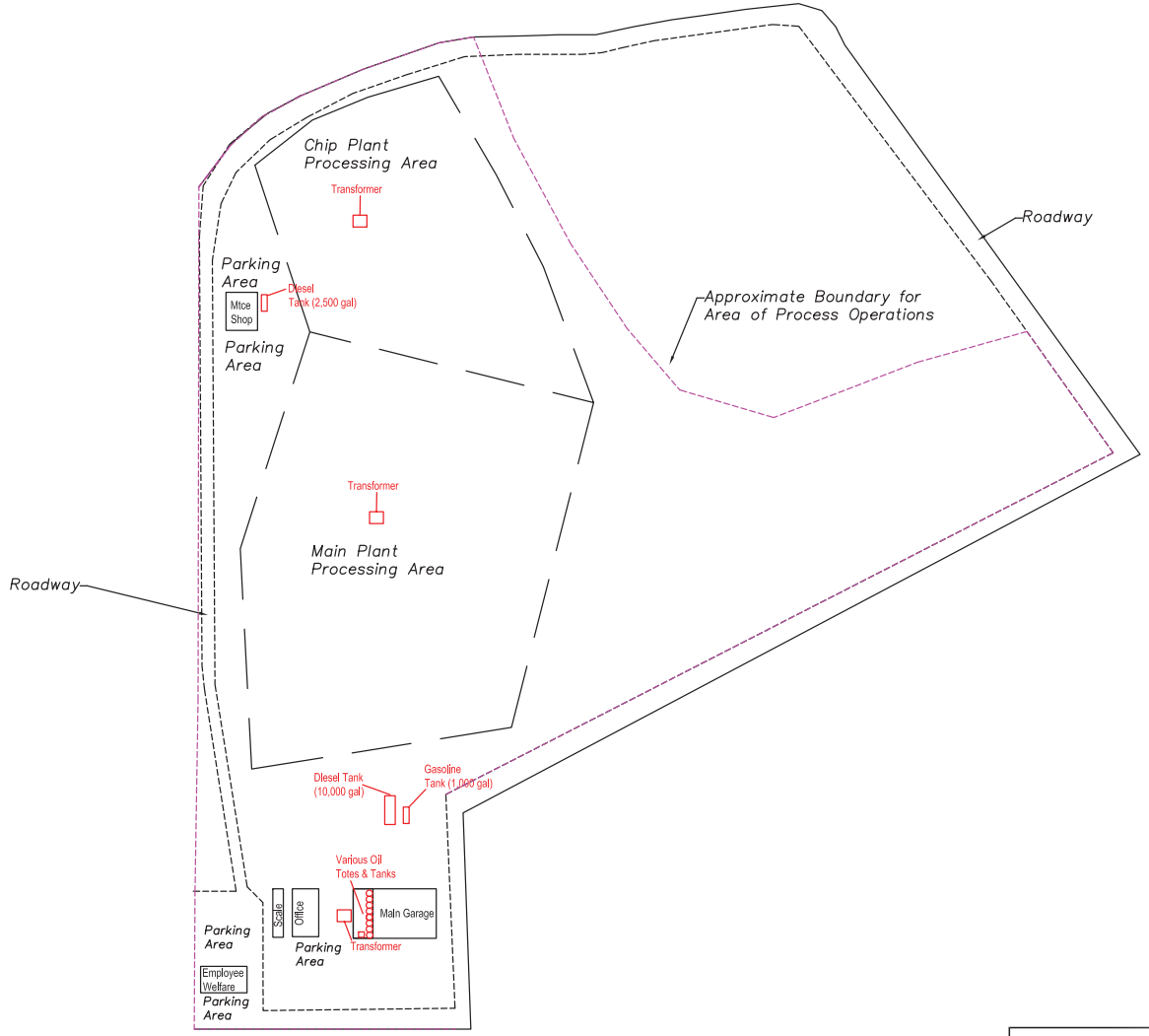
manner to reduce or prevent materials from blowing or otherwise escaping. This may be accomplished by loading the vehicle with the center of gravity for the load at a safe distance below the top of the sideboard. Drop heights for front-end loader buckets will be held within a few feet above the sideboard of the truck during loading.

**Schedule of Compliance [326 IAC 6-5-5 (a)(11)]**

Phoenix implemented the provisions of this control plan upon startup of the operation. This plan will be revised when significant changes occur to the facility. Any revision to this plan requires an administrative amendment to the Part 70 Permit.

**Documentation and Record Keeping [326 IAC 6-5-5 (b)]**

Records will be maintained to document control measures and activities in accordance with this plan. These records may be kept as part of the facility's daily operation or maintenance logs. These records will be available upon the request of the commissioner and shall be retained for five (5) years.




# LEGEND

SPCC Containers

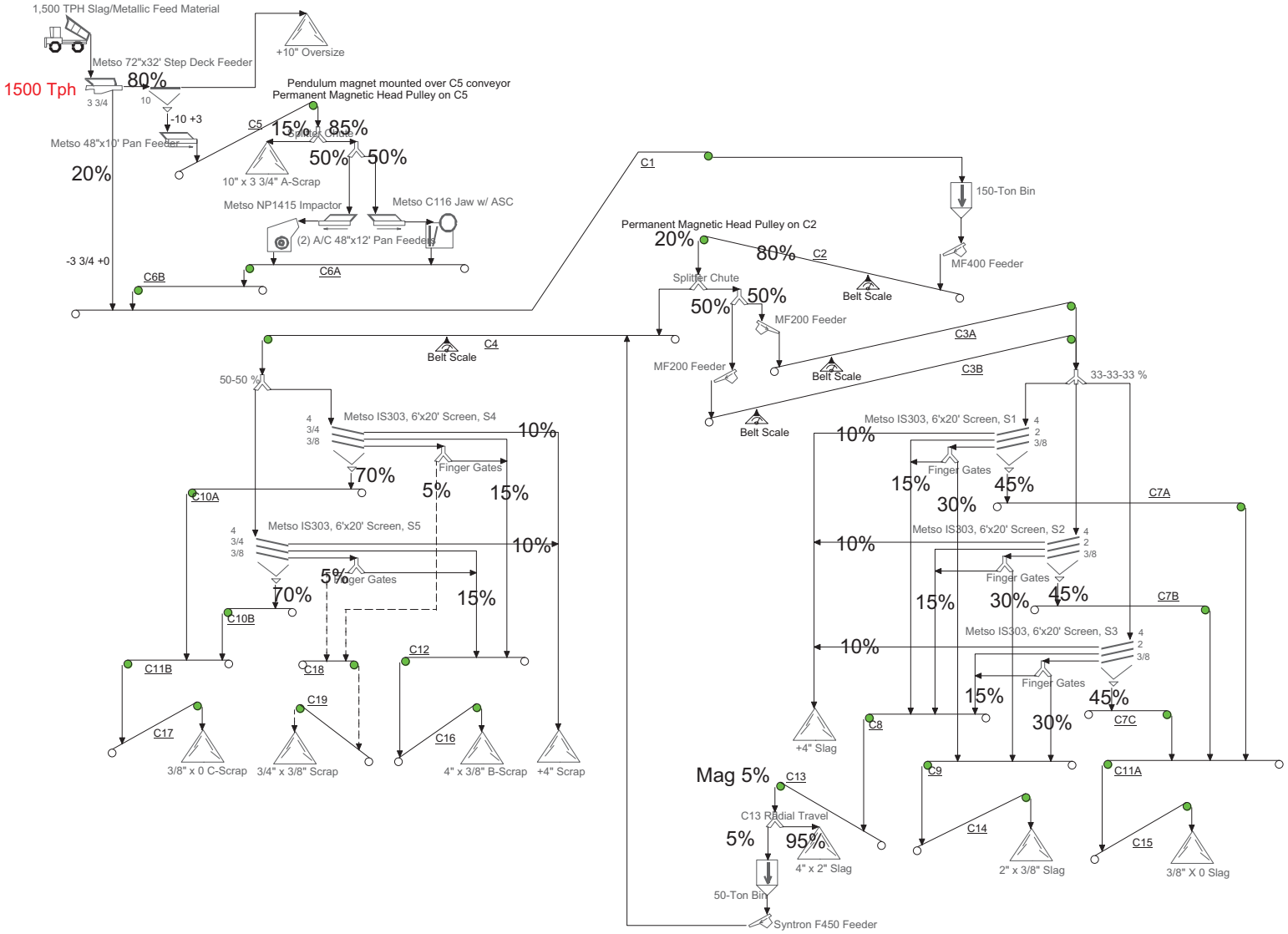
| | | | |
|---|---|---|---|
| SCALE: | NOT TO SCALE | REVIEW DATE: | 09/23/2013 |
| DRAWN BY: | BD | REVISION DATE: | 09/23/2013 |
| REVIEWED BY: | SG/DW | FILE PATH: | Phoenix-Burns Harbor/SPCC |
| | | FILE NAME: | Site Map.DWG |

# SITE MAP

**Phoenix Services, LLC - Burns Harbor**
**Spill Prevention, Control, and Countermeasure (SPCC) Plan**


**ST Environmental LLC**
PO Box 2557
Chesterton, IN 46304
Phone: (219) 728 - 6312
Fax: (855) 728 - 6312

Phoenix flow diagram for separation operation



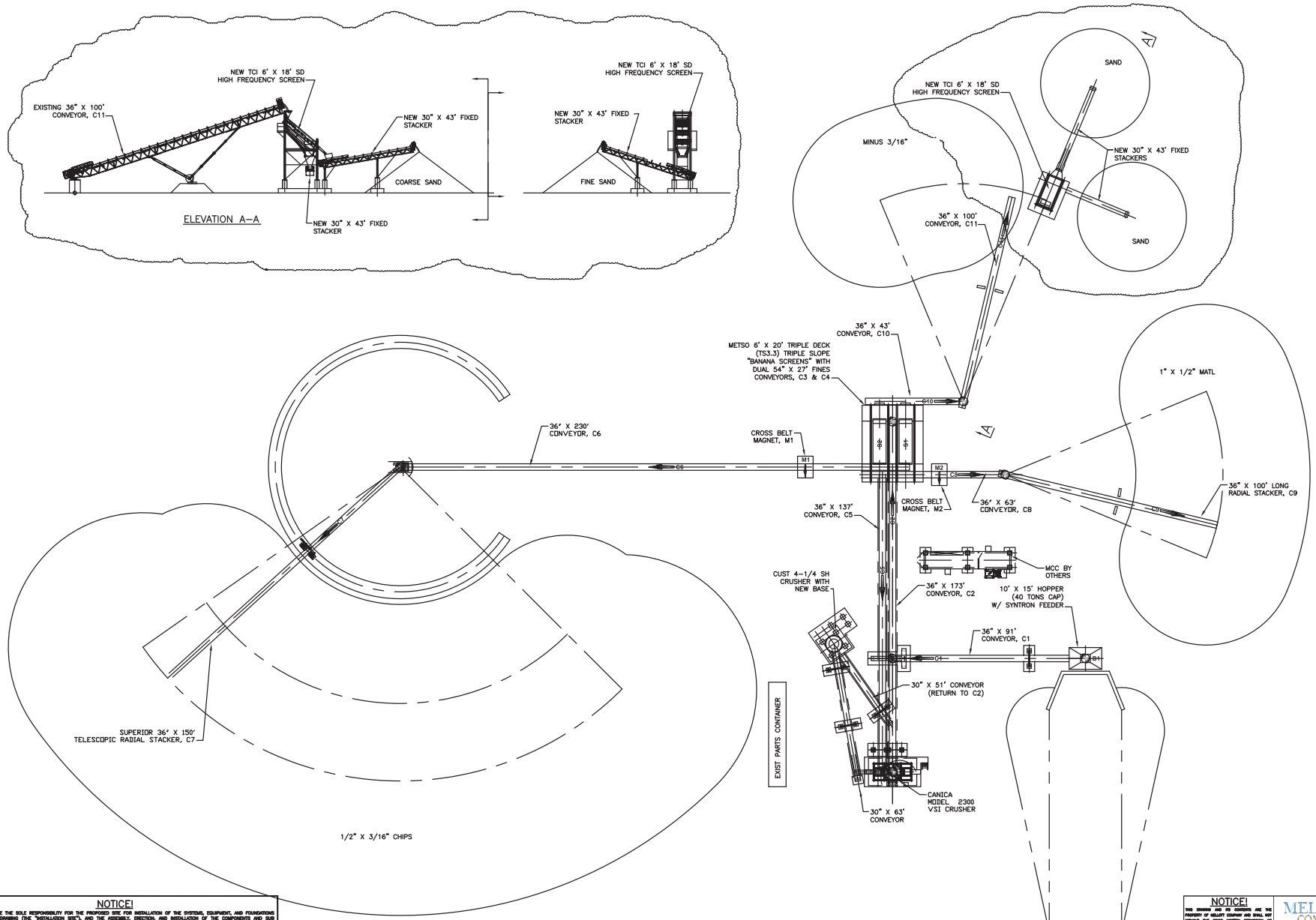

Run: 5/4/12 11:38:14

Calculation results may differ due to variations in operating conditions and application of crushing and screening equipment. This information does not constitute an express or implied warranty, but shows results of calculations based on information provided by customers or equipment manufacturers. Use this information for estimating purposes only.

***All calculations performed by AggFlow. http://www.AggFlow.com***

Mellott Company
Phoenix Services,LLC, Burns Harbor Plant
Larry A. Weaverling
Flow Diagram

Date: May/4/2012




## NOTICE!

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| REV # | DATE | REV BY | CHK BY | DESCRIPTION |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

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DRAWN BY/DATE: RDC 08/06/13

CHECKED BY/DATE:

APPROVED BY/DATE:

SCALE: 1" = 20'–0"

MELLOTT COMPANY
100 MELLOTT DR, WARRINGTON, PA 17907
641 FARMVIEW LANE, MOUNT JOY, PA 17603
717-354-4854
www.mellotts.com

DESCRIPTION: PROPOSED TCI SCREEN ADDITION TO CHIP PLANT

CUSTOMER: PHOENIX SERVICES – BURNS HARBOR, IN

PROJECT–SUB PROJECT #:

SIZE:

DRAWING #: P2226–001

SHEET # OF

REV # 0

FUGITIVE DUST CONTROL PLAN
APPENDIX A
ROADWAY CALCULATIONS

Company Name: The Levy Company - Burns Harbor Facility
a contractor of ArcelorMittal Burns Harbor, LLC
Address, City IN Zip: US Highway 12, Burns Harbor, IN 46304



SSM No.: 127-30302
Part 70 Operating Permit Renewal No.: 127-29719
Plt ID: 127-00026
Reviewer: Aida De Guzman
Date Part 70 Operating Permit Renewal Application Received: Sept. 23, 2010
Date SSM Application Received: March 3, 2011

**Potential to Emit - FROM UNPAVED ROADWAYS**

ArcelorMittal Iron Production (tons): 5,460,000 Slag production is limited by ArcelorMittal Blast Furnace operations which has a permit limit of 5,460,000 tons molten iron.
PTE slag throughput (tons): 1,638,000 Slag production can be up to 30% of molten iron production. (*USGS Minerals Yearbook 2002, Slag-Iron and Steel Section* )

| Vehicle | Production (tons/yr) | Product Weight (tons/RT) | Round Trips/yr | Avg miles per round trip | VMT/yr |
|---|---|---|---|---|---|
| Pot Haulers | 1,638,000 | 55 | 29,782 | 0.8 | 23,825 |
| Trucks and haulers | 1,638,000 | 50 | 32,760 | 0.50 | 16,380 |
| Front-end loaders | 1,638,000 | 15 | 109,200 | 0.10 | 10,920 |

| Vehicle | Mean Weight (W) (tons) | PM Emission Factor[2] (lb/VMT) | PM2.5 Emission Factor[2] (lb/VMT) | PM10 Emission Factor[2] (lb/VMT) | VMT/yr | UNCONTROLLED PTE PM Emissions (TPY) | UNCONTROLLED PTE PM10 Emissions (TPY) | UNCONTROLLED PTE PM2.5 Emissions (TPY) | CONTROLLED PTE PM Emissions (TPY) | CONTROLLED PTE PM10 Emissions (TPY) | CONTROLLED PTE PM2.5 Emissions (TPY) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pot Haulers | 180 | 19.04 | 0.51 | 5.07 | 23,825 | 226.81 | 60.44 | 0.05754 | 34.0209 | 9.0664 | 0.00863 |
| Trucks and haulers | 64 | 11.96 | 0.32 | 3.19 | 16,380 | 97.91 | 26.09 | 0.01560 | 14.6868 | 3.9140 | 0.00234 |
| Front-end loaders | 31 | 8.63 | 0.23 | 2.30 | 10,920 | 47.11 | 12.55 | 0.00542 | 7.0659 | 1.8830 | 0.00081 |
| | | | | | | **371.82** | **99.09** | **0.08** | **55.77** | **14.86** | **0.01** |

85% control efficiency
*Based on a control efficiency in the AP-42 from the periodic application of water and/or other dust suppressants.

Reference AP-42, 13.2.2, 11/2006
E = k(s/12)^a x (W/3)^b)

| Variable | PM10 Value | Units |
|---|---|---|
| k (lb/VMT) | 1.5 | Table 13.2.2-2 |
| a | 0.9 | Table 13.2.2-2 |
| b | 0.45 | Table 13.2.2-2 |
| W | see above | tons |
| M | - | % (default) |
| s | 6 | % (Table 13.2.2-1)(iron/steel mills) |

| Variable | PM Value | Units |
|---|---|---|
| k (lb/VMT) | 4.9 | Table 13.2.2-2 |
| a | 0.7 | Table 13.2.2-2 |
| b | 0.45 | Table 13.2.2-2 |
| W | see above | tons |
| M | - | % (default) |
| s | 6 | % (Table 13.2.2-1)(iron/steel mills) |

| Variable | PM2.5 Value | Units |
|---|---|---|
| k (lb/VMT) | 0.15 | Table 13.2.2-2 |
| a | 0.9 | Table 13.2.2-2 |
| b | 0.45 | Table 13.2.2-2 |
| W | see above | tons |
| M | - | % (default) |
| s | 6 | % (Table 13.2.2-1)(iron/steel mills) |

SAMPLE CALCULATIONS

**Phoenix Services LLC - Fugitive Dust Control Plan**
**Road Watering Documentation Log**

Fill in data for each road dust control application event (as multiple application events may occur in a day).

Date: _____

Weather Conditions (check all that apply): ☐ Temperature ≥ 32°F ☐ Rainfall ≥ 0.1 inches ☐ Ice and/or Snow Cover Present

Application may be suspended if any of these weather events are present. However, this documentation must be retained.

| | |
|---|---|
| List the roadways that were treated: | |
| Application Rate(s): | |
| Time(s) of each application: | |
| Width(s) of each application: | |
| Type of application(s): | ☐ Water Spray ☐ Chemical |
| Quantity(s) of each application: | |
| If chemical used, conc of each application: | |

SAMPLE ONLY
SEE FACILITY FOR CURRENT VERSION

# APPENDIX C - EQUIPMENT LIST

| Main Plant | Capacity (tph) | % Process Flow | |
|---|---|---|---|
| F1 step deck feeder | 1500 | 100% | of baseline |
| **CRUSHING** | | | |
| F2 pan feeder | feed control | 80% | of F1 feeder |
| C5 conveyor | feed control | 100% | of F2 feeder |
| C5 mag/pendulum head pulley | feed control | 15% | of C5 conv |
| C5 splitter (scrap) | feed control | 100% | of C5 mag |
| C5 splitter (slag) | feed control | 85% | of C5 conv |
| crush splitter (impactor) | feed control | 50% | of C5 splitter (slag) |
| crush splitter (jaw) | feed control | 50% | of C5 splitter (slag) |
| F3 pan feeder | feed control | 100% | of crush splitter (jaw) |
| F4 pan feeder | feed control | 100% | of crush splitter (impactor) |
| jaw crusher | feed control | 100% | of crush splitter (jaw) |
| impactor | feed control | 100% | of crush splitter (impactor) |
| C6A conveyor | feed control | 100% | of jaw+impact crushers |
| C6B conveyor | feed control | 100% | of C6A conv |
| **SCREENING** | | | |
| C1 conveyor | feed control | 100% | of F1 step feeder |
| 150-ton bin | feed control | 100% | of C1 conveyor |
| F5 feeder (MF400) | feed control | 100% | of 150-ton bin |
| C2 conveyor | feed control | 100% | of F5 feeder |
| C2 mag head pulley | feed control | 20% | of C2 conv |
| C2 splitter (slag) | feed control | 80% | of C2 conv |
| C2 splitter (scrap) | feed control | 20% | of C2 conv |
| F6/F7 splitter (count all in one 50/50) | feed control | 100% | of C2 splitter (slag) |
| F6 feeder | feed control | 50% | of F6/F7 splitter |
| F7 feeder | feed control | 50% | of F6/F7 splitter |
| C3A conveyor | feed control | 100% | of F7 feeder |
| C3B conveyor | feed control | 100% | of F6 feeder |
| triple split chute | feed control | 100% | of C3A+C3B conv |
| S1 screen | feed control | 33% | triple split chute |
| C7A conveyor | feed control | 45% | of S1 screen |
| S2 screen | feed control | 33% | triple split chute |
| C7B conveyor | feed control | 45% | of S2 screen |
| S3 screen | feed control | 33% | triple split chute |
| C7C conveyor | feed control | 45% | of S3 screen |
| C11A conveyor | feed control | 100% | of C7A+C7B+C7C conv |
| C15 stk conveyor | feed control | 100% | of C11A conv |
| C9 conveyor | feed control | 30% | of S1+S2+S3 screens |
| C14 stk conveyor | feed control | 100% | of C9 conv |
| C8 conveyor | feed control | 15% | of S1+S2+S3 screens |
| C13 stk conveyor | feed control | 100% | of C8 conv |
| C13 mag head pulley | feed control | 5% | of C13 conv |
| C13 splitter (slag) | feed control | 95% | of C13 conv |
| C13 splitter (scrap) | feed control | 100% | of C13 mag |

# APPENDIX C - EQUIPMENT LIST

| Main Plant | Capacity (tph) | % Process Flow | |
|---|---|---|---|
| **SCRAP** | | | |
| 50-ton scrap bin | feed control | 100% | of C13 mag |
| F8 feeder | feed control | 100% | of 50-ton scrap bin |
| C4 conveyor | feed control | 100% | of C2 split(scrap)+F8 feeder |
| C4 splitter (S4) | feed control | 50% | of C4 conv |
| C4 splitter (S5) | feed control | 50% | of C4 conv |
| S4 screen | feed control | 100% | of C4 splitter (S4) |
| C10A conveyor | feed control | 70% | of S4 screen |
| S5 screen | feed control | 100% | of C4 splitter (S5) |
| C10B conveyor | feed control | 70% | of S5 screen |
| C11B conveyor | feed control | 100% | of C10A+C10B conv |
| C17 stk conveyor | feed control | 100% | of C11B conv |
| C12 conveyor | feed control | 15% | of S4+S5 screens |
| C16 stk conveyor | feed control | 100% | of C12 conv |
| C18 conveyor | feed control | 5% | of S4+S5 screens |
| C19 stk conveyor | feed control | 100% | of C18 conv |

| Chip Plant | Capacity (tph) | % Process Flow | |
|---|---|---|---|
| 40-ton feed hopper (B1) | 500 | 100% | of feed |
| F9 feeder | 500 | 100% | of 40-ton feed hopper |
| C1 conveyor | 800 | 100% | of F9 feeder |
| C2 conveyor | 500 | 100% | of crusher+C1 conv |
| crusher | 500 | 10% | of F9 feeder |
| C5 conveyor | 500 | 100% | of crusher |
| S1 screen | 400 | 50% | of C2 conv |
| C3 conveyor | 150 | 10% | of S1 screen |
| S2 screen | 400 | 50% | of C2 conv |
| C4 conveyor | 150 | 10% | of S2 screen |
| C10 conveyor | 300 | 100% | of C3+C4 conv |
| C11 stk conveyor | 55 | 100% | of C10 conv |
| C8 conveyor | 250 | 15% | of S1+S2 |
| M2 mag cross belt | | 5% | of C8 conv |
| C9 stk conveyor | 78.375 | 95% | of C8 conv |
| C6 conveyor | 250 | 65% | of S1+S2 |
| M1 mag cross belt | | 5% | of C6 conv |
| C7 stk conveyor | 250 | 95% | of C6 conv |
| C12 conveyor | 300 | 100% | of C5 conv |
| C13 conveyor | 300 | 100% | of C5 conv |
| CR2 crusher | 400 | 100% | of C5 conv |
| S3 screen | 75 | 100% | of C11 conv |
| C14 conveyor | 50 | 50% | of S3 screen |
| C15 conveyor | 50 | 50% | of S3 screen |

# Indiana Department of Environmental Management
# Office of Air Quality

## Technical Support Document (TSD) for a Part 70 Significant Source and Significant Permit Modification

### Source Description and Location

| | |
|---|---|
| Source Name: | Metal Services, LLC dba Phoenix Services, LLC – a contractor of ArcelorMittal Burns Harbor, LLC |
| Source Location: | U.S. Highway 12, Burns Harbor, Indiana 46304 |
| County: | Porter |
| SIC Code: | 3295 |
| Operation Permit No.: | T 127-29719-00026 |
| Operation Permit Issuance Date: | July 1, 2011 |
| Significant Source Modification No.: | 127-33544-00026 |
| Significant Permit Modification No.: | 127-33602-00026 |
| Permit Reviewer: | Madhurima Moulik |

### Source Definition

This integrated steel works operation consists of a primary source, ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), located at 250 West U.S. Highway 12, Burns Harbor, Indiana, with the following onsite contractors. The contractors listed below were issued separate Part 70 operating permits solely for administrative purposes:

(a) Indiana Flame (T127-00098);
(b) Metal Services LLC dba Phoenix Services LLC (T127-00026);
(c) Mid-Continent Coal and Coke (T127-00108);
(d) Oil Technology (T127-00074);
(e) SMS Mill Services, LLC (T127-00076);
(f) Beemsterboer Slag Corp (127-00116);
(g) Mid-Continent Coal and Coke (127-00117);
(h) PSC Metals Inc. (127-00118); and
(i) Calumite Company (127-00024).

Separate Part 70 Administrative permits were issued to ArcelorMittal Burns Harbor, LLC (Source ID 127-00001) and each of the onsite contractors, solely for administrative purposes. The companies may maintain separate reporting and compliance certification.

### Existing Approvals

The source was issued Administrative Part 70 Operating Permit (Renewal) No. 127-29719-00026 on July 1, 2011. The source has since received the following approvals:

(a) Administrative Amendment No. 127-31251-00026, issued on December 27, 2011;
(b) Minor Permit Modification No. 127-31268-00026, issued on April 16, 2012;
(c) Significant Permit Modification No. 127-32224-00026, issued on December 28, 2012; and
(d) Administrative Amendment No. 127-33192-00026, issued June 21, 2013.

## County Attainment Status

The source is located in Porter County.

| Pollutant | Designation |
|---|---|
| $SO_2$ | Cannot be classified for the area bounded on the north by Lake Michigan; on the west by the Lake County and Porter County line; on the south by I-80 and I-90; and on the east by the LaPorte County and Porter County line. The remainder of Porter County is better than national standards. |
| CO | Unclassifiable or attainment effective November 15, 1990. |
| $O_3$ | On June 11, 2012, the U.S. EPA designated Porter County nonattainment, for the 8-hour ozone standard. |
| $PM_{10}$ | Unclassifiable effective November 15, 1990. |
| $NO_2$ | Cannot be classified or better than national standards. |
| Pb | Not designated. |
| Unclassifiable or attainment effective February 6, 2012, for PM2.5. | |

(a) Ozone Standards
U.S. EPA, in the Federal Register Notice 77 FR 112 dated June 11, 2012, has designated Porter County as nonattainment for ozone. On August 1, 2012 the air pollution control board issued an emergency rule adopting the U.S. EPA's designation. This rule became effective, August 9, 2012. IDEM does not agree with U.S. EPA's designation of nonattainment. IDEM filed a suit against US EPA in the US Court of Appeals for the DC Circuit on July 19, 2012. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's designation. Volatile organic compounds (VOC) and nitrogen oxides ($NO_x$) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and $NO_x$ emissions are considered when evaluating the rule applicability relating to ozone. Therefore, VOC and $NO_x$ emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3. See the State Rule Applicability – Entire Source section.

(b) $PM_{2.5}$
Porter County has been classified as attainment for $PM_{2.5}$. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct $PM_{2.5}$ significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct $PM_{2.5,}$ $SO_{2,}$ and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants
Porter County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

## Fugitive Emissions

Since this source is classified as an integrated iron and steel plant, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

## Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

| **Pollutant** | **Emissions** (ton/yr) |
|---|---|
| PM | >100 |
| $PM_{10}$ | >100 |
| $PM_{2.5}$ | >100 |
| $SO_2$ | >100 |
| VOC | >25 |
| CO | >100 |
| $NO_X$ | >100 |
| GHGs as $CO_2e$ | >100,000 |
| Single HAP | >10 |
| Total HAPs | >25 |

(a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(b) This existing source is a major stationary source, under Emission Offset (326 IAC 2-3), because NOx (a precursor of ozone, a nonattainment regulated pollutant), is emitted at a rate of 100 tons per year or more.

(c) These emissions are based on the Technical Support Document for T 127-6301-00001.

(d) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

## Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed an application, submitted by Metal Services, LLC dba Phoenix Services, LLC – a contractor of ArcelorMittal Burns Harbor, on August 16, 2013, relating to the installation of new equipment at the Chip Plant. The following is a list of the proposed emission units:

(a) One (1) screen, identified as S3, permitted in 2013, with a maximum throughput capacity of 75 tons per hour.
(b) One (1) conveyor, identified as C14, permitted in 2013, with a maximum throughput capacity of 50 tons per hour.
(c) One (1) conveyor, identified as C15, permitted in 2013, with a maximum throughput capacity of 50 tons per hour.

## Enforcement Issues

There are no pending enforcement actions related to this modification.

## Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

## Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency."

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

| **Increase in PTE Before Controls of the Modification** | |
|---|---|
| **Pollutant** | **Potential To Emit** (ton/yr) |
| PM | 83.44 |
| $PM_{10}$ | 29.06 |
| $PM_{2.5}$ | 29.06 |
| $SO_2$ | -- |
| VOC | -- |
| CO | -- |
| $NO_X$ | -- |
| Single HAPs | -- |
| Total HAPs | -- |

This source modification is subject to significant source modification rules because the emissions increases from the proposed emission units exceed the emissions thresholds for minor source modification under 326 IAC 2-7-10.5(e)(3). Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d) because this modification involves PSD minor limitation under 326 IAC 2-2 and, therefore, does not qualify for a minor permit modification under 326 IAC 2-7-12(b)(1)(c)(i).

## Permit Level Determination – PSD or Emission Offset or Nonattainment NSR

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

| | **Potential to Emit** (ton/yr) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Process / Emission Unit** | **PM** | **$PM_{10}$** | **$PM_{2.5}$*** | **$SO_2$** | **VOC** | **CO** | **$NO_X$** | **GHGs** |
| Screen S3 | 8.2 | 2.9 | 2.9 | --- | --- | --- | --- | --- |
| Conveyor C14 | 0.07 | 0.02 | 0.02 | --- | --- | --- | --- | --- |
| Conveyor C15 | 0.07 | 0.02 | 0.02 | --- | --- | --- | --- | --- |
| Total for Modification | 8.34 | 2.94 | 2.94 | --- | --- | --- | --- | --- |
| Significant Level | 25 | 15 | 10 | 40 | 40 | 100 | 40 | 75,000 $CO_2e$ |

*$PM_{2.5}$ listed is direct $PM_{2.5}$.

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

This modification to an existing major stationary source is not major because the emissions increases of NOx and VOC are less than the Emission Offset significant levels. Therefore, pursuant to 326 IAC 2-3, the Emission Offset rules for 8-hr ozone do not apply.

## Federal Rule Applicability Determination

**NSPS:**

(a) 326 IAC 12 and 40 CFR Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants. This source (Metal Services/Phoenix Services) is not subject to the requirements of this NSPS because this subpart is not applicable to slag processing operations because the original ore is expanded and vitrified in a furnace which alters the physical and chemical makeup of the ore producing a slag by-product that does not meet the definition of a nonmetallic mineral in 40 CFR 60.671.

(b) 326 IAC 12 and 40 CFR Part 60, Subpart LL – Standards of Performance for Metallic Mineral Processing Plants – This source (Metal Services/Phoenix Services) is not subject to this NSPS, Subpart LL because this source does not produce metallic mineral concentrates from ore nor it does mine ore. Additionally, the slag crushing and/or screening operations are not performed in a mine or pit.

**NESHAP:**

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

(d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each new or modified pollutant-specific emission unit that meets the following criteria:

(1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

No emission unit at the Metal Services/Phoenix Services plant uses a control device. Therefore, the requirements of 40 CFR Part 64, CAM, are not applicable to any of the emission units at the plant.

## State Rule Applicability Determination

**326 IAC 2-2 and 2-3 (PSD and Emission Offset)**
PSD and Emission Offset applicability is discussed under the Permit Level Determination – PSD and Emission Offset section.

**326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))**
The operation of the new units each will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

**326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)**
Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the proposed screen S3 and conveyors C14 and C15 shall not exceed 48.4 and 44.6 pounds per hour when operating at a process weight rate of 75 and 50 tons per hour, respectively. The pound per hour limitation was calculated with the following equation:

(b) Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

**Compliance Determination and Monitoring Requirements**

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The Compliance Determination Requirements applicable to this modification are as follows:

The proposed emission units at the chip plant are subject to PSD minor limitations under 326 IAC 2-2 for particulate matter. In order to comply with these limitations, the following requirements are applicable to S3, C14, and C15:

(a) The Permittee shall use wet suppression to control particulate emissions from Chip Plant Equipment, except for the following time periods:

(i) During precipitation

(ii) When ambient air temperature is at or below freezing temperature

(b) The Permittee shall perform weekly moisture content analysis prior to feeding material to the Chip Plant, on the slag material processed at the Main Plant, Chip Plant and Portable/Auxiliary Equipment to ensure slag moisture content is not less than 1.5%.

The compliance monitoring requirements applicable to this modification are as follows:

The proposed emission units are subject to limitations under 326 IAC 2-2, 326 IAC 6-3-2 and fugitive dust control rules. In order to demonstrate compliance with these limitations, the following visible emissions notations are required:

(a) Visible emission notations of all process emission points shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

**Proposed Changes**

The changes listed below have been made to Part 70 Operating Permit No. T127-29719-00026. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

(a) Sections A.3 and D.1 have been modified to incorporate the proposed emission units S3, C14 and C15 at the Chip Plant.
(b) Sections A.4 and D.3 have been modified to correct the capacities of existing insignificant tanks that store diesel.
(c) Condition D.1.1 - PSD Minor Limit [326 IAC 2-2] has been modified for the PSD minor limitation for the proposed units included in this minor source modification.
(d) Condition D.1.2 - Particulate [326 IAC 6-3-2] has been modified to include the particulate matter limitations for S3, C14, and C15.

A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

Metal Services LLC dba Phoenix Services LLC operates the following emission units and pollution control devices:

(a)

…

(e) Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 for construction **(unless noted otherwise)**, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(1) One (1) feed hopper (B1), with a capacity of 500 tph
(2) One (1) feeder (F9), with a capacity of 500 tph
(3) One (1) conveyor (C1), with a capacity of 500 tph
(4) One (1) conveyor (C2), with a capacity of 800 tph
(5) One (1) crusher, with a capacity of 500 tph
(6) One (1) conveyor (C5), with a capacity of 500 tph
(7) One (1) screen (S1), with a capacity of 400 tph
(8) One (1) conveyor (C3), with a capacity of 150 tph
(9) One (1) screen (S2), with a capacity of 400 tph
(10) One (1) conveyor (C4), with a capacity of 150 tph
(11) One (1) conveyor (C10), with a capacity of 300 tph
(12) One (1) stack conveyor (C11), with a capacity of 55 tph
(13) One (1) conveyor (C8), with a capacity of 250 tph
(14) One (1) mag cross belt (M2)

(15) One (1) stack conveyor (C9), with a capacity of 78.375 tph
(16) One (1) conveyor (C6), with a capacity of 250 tph
(17) One (1) mag cross belt (M1)
(18) One (1) stack conveyor (C7), with a capacity of 250 tph
(19) One (1) conveyor (C12), approved in 2013 for construction, with a capacity of 300 tph
(20) One (1) conveyor (C13), approved in 2013 for construction, with a capacity of 300 tph
(21) One (1) crusher (crusher 2), approved in 2013 for construction, with a capacity of 400 tph
**(22) One (1) screen (S3), approved in 2013 for construction, with a maximum capacity of 75 tph.**
**(23) One (1) conveyor (C14), approved in 2013 for construction, with a maximum capacity of 50 tph.**
**(24) One (1) conveyor (C15), approved in 2013 for construction, with a maximum capacity of 50 tph.**
…

A.4 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

Metal Services, LLC dba Phoenix Services, LLC, also consists of the following insignificant activities that are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Degreasing operations that do not exceed 145 gallons per 12 month, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-8]

(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

(c) Activities with emissions equal to or less than insignificant thresholds [326 IAC 2-7-1(21)]:

(1) ~~17,000~~ **10,000** gallon diesel AST identified as EE001-9011 [326 IAC 8-9];
(2) ~~11,000~~ **2,500** gallon diesel AST identified as EE001-9012 [326 IAC 8-9];
(3) Iron breakup processing identified as EE001-9014.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Burns Harbor Site

(a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by pot carrier from the BOF, identified as EU001-01, with collective fugitive emissions EP001-9011.

(1) …

(e) Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 **(unless noted otherwise)** for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(1) One (1) feed hopper (B1), with a capacity of 500 tph
(2) One (1) feeder (F9), with a capacity of 500 tph
(3) One (1) conveyor (C1), with a capacity of 500 tph
(4) One (1) conveyor (C2), with a capacity of 800 tph
(5) One (1) crusher, with a capacity of 500 tph
(6) One (1) conveyor (C5), with a capacity of 500 tph
(7) One (1) screen (S1), with a capacity of 400 tph
(8) One (1) conveyor (C3), with a capacity of 150 tph
(9) One (1) screen (S2), with a capacity of 400 tph

(10) One (1) conveyor (C4), with a capacity of 150 tph
(11) One (1) conveyor (C10), with a capacity of 300 tph
(12) One (1) stack conveyor (C11), with a capacity of 55 tph
(13) One (1) conveyor (C8), with a capacity of 250 tph
(14) One (1) mag cross belt (M2)
(15) One (1) stack conveyor (C9), with a capacity of 78.375 tph
(16) One (1) conveyor (C6), with a capacity of 250 tph
(17) One (1) mag cross belt (M1)
(18) One (1) stack conveyor (C7), with a capacity of 250 tph
(19) One (1) conveyor (C12), approved in 2013 for construction, with a capacity of 300 tph
(20) One (1) conveyor (C13), approved in 2013 for construction, with a capacity of 300 tph
(21) One (1) crusher (crusher 2), approved in 2013 for construction, with a capacity of 400 tph
**(22) One (1) screen (S3), approved in 2013 for construction, with a maximum capacity of 75 tph.**
**(23) One (1) conveyor (C14), approved in 2013 for construction, with a maximum capacity of 50 tph.**
**(24) One (1) conveyor (C15), approved in 2013 for construction, with a maximum capacity of 50 tph.**
…

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

D.1.1 PSD Minor Limit [326 IAC 2-2]

(a) Only slag and metallic material shall be processed at Main Plant.

(b) The total input of slag and metallic material at Main Plant shall not exceed 2,377,419 tons per twelve consecutive month period with compliance determined at the end of each month.

(c) The total input of material at the Chip Plant shall not exceed 1,300,000 tons per twelve consecutive month period with compliance determined at the end of each month.

(d) The Chip Plant shall process only those materials that have been previously processed at the Main Plant.

(e) The Portable/Auxiliary Equipment shall not be operated at Metal Services LLC dba Phoenix Services LLC site.

**(f) The total input of material at the Portable/Auxiliary Equipment shall not exceed 800,000 tons per twelve consecutive month period with compliance determined at the end of each month.**

**(g) The moisture content of slag material processed at the Main Plant, Chip Plant and Portable/Auxiliary Equipment plants shall not be less than 1.5%.**

Compliance with the above limits, in conjunction with Condition D.2.1, shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-32132-00026 to less than 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

**Compliance with the above limits shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-33544-00026 to less than 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-33544-00026.**

D.1.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 the particulate emissions from the following listed units shall be limited as follows when operating at the listed process weight rate:

| Emission Unit | Process weight rate (tons/hr) | 326 IAC 6-3 limit lb/hr |
|---|---|---|
| Main Plant | | |
| One (1) step deck feeder (F1) | 1500 | 82.95 |
| Crushing | | |
| One (1) pan feeder (F2) | 500 | 68.96 |
| … | … | … |
| Chip Plant | | |
| One (1) feed hopper (B1) | 500 | 68.96 |
| One (1) feeder (F9) | 500 | 68.96 |
| One (1) conveyor (C1) | 500 | 68.96 |
| One (1) conveyor (C2) | 800 | 74.74 |
| One (1) crusher, 500 | 500 | 68.96 |
| One (1) conveyor (C5) | 500 | 68.96 |
| One (1) screen (S1) | 400 | 66.31 |
| One (1) conveyor (C3) | 150 | 55.44 |
| One (1) screen (S2) | 400 | 66.31 |
| One (1) conveyor (C4) | 150 | 55.44 |
| One (1) conveyor (C10) | 300 | 63.00 |
| One (1) stack conveyor (C11) | 55 | 45.47 |
| One (1) conveyor (C8) | 250 | 60.96 |
| One (1) mag cross belt (M2) | 4.125 | 10.60 |
| One (1) stack conveyor (C9) | 78.375 | 48.86 |
| One (1) conveyor (C6) 20 | 250 | 60.96 |
| One (1) mag cross belt (M1) | 18 | 28.43 |
| One (1) stack conveyor (C7) | 250 | 60.96 |
| One (1) conveyor (C12) | 300 | 63.0 |
| One (1) conveyor (C13) | 300 | 63.0 |
| One (1) crusher (crusher 2) | 400 | 66.3 |
| **One (1) screen (S3)** | **75** | **48.4** |
| **One (1) Conveyor (C14)** | **50** | **44.6** |
| **One (1) Conveyor (C15)** | **50** | **44.6** |
| ... | | |

The pound per hour limitations above were calculated using the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities

(a) Degreasing operations that do not exceed 145 gallons per 12 month, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-8]

(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

(c) Activities with emissions equal to or less than insignificant thresholds [326 IAC 2-7-1(21)]:

(1) ~~17,000~~ **10,000** gallon diesel AST identified as EE001-9011 [326 IAC 8-9];
(2) ~~11,000~~ **2,500** gallon diesel AST identified as EE001-9012 [326 IAC 8-9]; and
(3) Iron breakup processing identified as EE001-9014.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

## Conclusion and Recommendation

The construction and operation of this proposed modification shall be subject to the conditions of the attached Part 70 Significant Source Modification No. 127-33544-00026 and proposed Part 70 Significant Permit Modification No. 127-33602-00026. The staff recommends to the Commissioner that this Part 70 Significant Source Modification and Significant Permit Modification be approved.

## IDEM Contact

(a) Questions regarding this proposed permit can be directed to Madhurima Moulik at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-0868 or toll free at 1-800-451-6027 extension 3-0868.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

**TSD Appendix A**

**Source Name:** **Metal Services LLC, d/b/a Phoenix Services**
**Source Address:** **US Highway 12, Burns Harbor, IN 46304**
**SSM/SPM No.** **127-33544-00026/127-33602-00026**
**Permit Reviewer:** **Madhurima Moulik**
**Date:** **28-Sep-13**

**POTENTIAL TO EMIT -- CHIP PLANT (FINISHING) OPERATIONS**

| PTE | Throughput* | Emission Factors (lb/tn) | | | Uncontrolled Emissions (tpy) | | | Control | Controlled Emissions (tpy) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| New Units Chip Plant (finishing) | (tons/yr) | PM | $PM_{10}$ | $PM_{2.5}$ | PM | $PM_{10}$ | $PM_{2.5}$ | Efficiency | PM | $PM_{10}$ | $PM_{2.5}$ |
| Sceen S3 | 6,570,000 | 0.025 | 0.0087 | 0.0087 | 82.1250 | 28.5795 | 28.5795 | 90.0% | 8.2125 | 2.8580 | 2.8580 |
| Conveyor C14 | 438,000 | 0.003 | 0.0011 | 0.0011 | 0.6570 | 0.2409 | 0.2409 | 90.0% | 0.0657 | 0.0241 | 0.0241 |
| Conveyor C15 | 438,000 | 0.003 | 0.0011 | 0.0011 | 0.6570 | 0.2409 | 0.2409 | 90.0% | 0.0657 | 0.0241 | 0.0241 |
| | **Project Totals (tons/yr) =** | | | | **83.44** | **29.06** | **29.06** | | **8.34** | **2.91** | **2.91** |

**********

*Throughput (unlimited) = design capacity (tons/hr) x 8760 hr/yr
Screen capcity = 75 tons/hr, conveyors = 50 tons per hour

**Methodology**

Emission Factors are from AP-42 Table 11.19.2-2, 8/2004 version (all units in lb/ton).

| Source | PM | PM-10 |
|---|---|---|
| Tertiary Crushing (SCC 3-050030-03) | 0.0054 | 0.0024 |
| Screening (SCC 3-05-020-02, 03) | 0.025 | 0.0087 |
| Conveyor Transfer Point (SCC 3-05-020-06) | 0.003 | 0.0011 |

Uncontrolled Emissions (tpy) = Capacity (tpy) * Uncontrolled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)
Controlled Emissions (tpy) = Throughput (tpy) * Controlled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

**Michael R. Pence**
*Governor*

**Thomas W. Easterly**
*Commissioner*


**SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED**

TO: Clint McGinty
Manager Safety, Health & Environment
Metal Services, LLC – dba Phoenix Services, LLC
148 West State Street Ste 301
Kennett Square, PA 19348

DATE: December 2, 2013

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Significant Permit Modification
127-33602-00026

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Keith Flynn – General Manager
Vice President & General Manager – IGS Burns Harbor
Responsible Official – Arcelor Mittal
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 6/13/2013

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**Michael R. Pence**
*Governor*

**Thomas W. Easterly**
*Commissioner*

December 2, 2013

TO: Westchester Public Library

From: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

**Applicant Name: Metal Services, LLC – dba Phoenix Services, LLC**
**Permit Number: 127-33602-00026**

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 6/13/2013

# Mail Code 61-53

| IDEM Staff | GHOTOPP 12/2/2013<br>Metal Services LLC dba Phoenix Services LLC 127-33602-00026 Final | | | AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING |
|---|---|---|---|---|
| Name and address of Sender | ▶ | Indiana Department of Environmental Management<br>Office of Air Quality – Permits Branch<br>100 N. Senate<br>Indianapolis, IN 46204 | Type of Mail:<br>**CERTIFICATE OF MAILING ONLY** | |

| Line | Article Number | Name, Address, Street and Post Office Address | Postage | Handing Charges | Act. Value (If Registered) | Insured Value | Due Send if COD | R.R. Fee | S.D. Fee | S.H. Fee | Rest. Del. Fee<br>Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | Clint McGinty Metal Services LLC dba Phoenix Services LLC -contr 148 W State St, Ste 301 Kennett Square PA 19348 (Source CAATS) via confirmed delivery | | | | | | | | | |
| 2 | | Keith Flynn GM Metal Services LLC dba Phoenix Services LLC -contr PO Box 619 Chesterton IN 46304-0619 *(RO CAATS)* | | | | | | | | | |
| 3 | | Westchester Public Library 200 W Indiana Ave Chesterton IN 46304-3122 *(Library)* | | | | | | | | | |
| 4 | | Porter County Board of Commissioners 155 Indiana Ave, Ste 205 Valparaiso IN 46383 *(Local Official)* | | | | | | | | | |
| 5 | | Porter County Health Department 155 Indiana Ave, Suite 104 Valparaiso IN 46383-5502 *(Health Department)* | | | | | | | | | |
| 6 | | Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 *(Affected Party)* | | | | | | | | | |
| 7 | | Mr. Ed Dybel 2440 Schrage Avenue Whiting IN 46394 *(Affected Party)* | | | | | | | | | |
| 8 | | Mr. Joseph Virgil 128 Kinsale Avenue Valparaiso IN 46385 *(Affected Party)* | | | | | | | | | |
| 9 | | Mark Coleman 107 Diana Road Portage IN 46368 *(Affected Party)* | | | | | | | | | |
| 10 | | Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 *(Affected Party)* | | | | | | | | | |
| 11 | | Ms. Kathy Luther Northern Regional Planning Commission 6100 Southport Rd Portage IN 46368 *(Affected Party)* | | | | | | | | | |
| 12 | | Burns Harbor Town Council 1240 N. Boo Rd Burns Harbor IN 46304 *(Local Official)* | | | | | | | | | |
| 13 | | Eric & Sharon Haussman 57 Shore Drive Ogden Dunes IN 46368 (Affected Party) | | | | | | | | | |
| 14 | | Vice President and General Manager ISG Burns Harbor 260 W US Hwy 12 Burns Harbor IN 46304 *(Source ? addl contact)* | | | | | | | | | |
| 15 | | Joseph Hero 11723 S Oakridge Drive St. John IN 46373 *(Affected Party)* | | | | | | | | | |

| Total number of pieces Listed by Sender | Total number of Pieces Received at Post Office | Postmaster, Per (Name of Receiving employee) | The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels. |
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# Mail Code 61-53

| IDEM Staff | GHOTOPP 12/2/2013<br>Metal Services LLC dba Phoenix Services LLC 127-33602-00026 Final | | | AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING |
|---|---|---|---|---|
| Name and address of Sender | ▶ | Indiana Department of Environmental Management<br>Office of Air Quality – Permits Branch<br>100 N. Senate<br>Indianapolis, IN 46204 | Type of Mail:<br>**CERTIFICATE OF MAILING ONLY** | |

| Line | Article Number | Name, Address, Street and Post Office Address | Postage | Handing Charges | Act. Value (If Registered) | Insured Value | Due Send if COD | R.R. Fee | S.D. Fee | S.H. Fee | Rest. Del. Fee<br>Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | Matt Mikus 409 Yellowstone Rd - Apt 1 Valparaiso IN 46385 (Affected Party) | | | | | | | | | |
| 2 | | Responsivle Offifical Arcelor Mittal 250 W. Highway 12 Burns Harbor IN 46304 *(Source – addl contact)* | | | | | | | | | |
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